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1916/17

The Alumni Record - March, 1917

PELLA, IOWA

CENTRAL COLLEGE

— INCORPORATED CENTRAL UNIVERSITY OF IOWA —

Established in 1853



Catalog 1916-1917

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The Alumni Record



College Catalog 1916-1917
Announcements for 1917-18



Entered at Pella, Iowa, as Second-class Matter

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College Calendar

1917


March 23-----Friday, noon, Spring Recess begins
April 3-----Tuesday, 7:40 a. m. Spring Recess ends
May 30-----Wednesday, Memorial Day
June 4-8-----Monday-Friday, Final Examinations
June 10-----Sunday, Baccalaureate Day
June 14-----Thursday, Commencement Day

June 11-----Monday, Summer School for
Normal Students begins
June 19-----Monday, Summer School for
College work begins
August 17-----Friday, Summer School closes

September 10-----Monday, Registration begins
September 12-----Wednesday, Class work begins
November 29-----Thursday, Thanksgiving Day
December 21----Friday, Winter Recess begins at noon

1918

January 8-----Tuesday, Winter Recess ends and
Recitations begin
January 21-25--Mon.-Fri. First Semester examinations
January 25----Friday, Final Day for Registration for
Second semester
January 28-----Monday, Second semester begins
January 31----Thursday, Day of Prayer for Colleges
March 22-----Friday, Spring Vacation begins at noon
April 2-----Tuesday, Spring Vacation ends and
Recitations resume
May 30-----Thursday, Memorial Day
June 3-7-----Monday to Friday, Final examinations
June 9-----Sunday, Baccalaureate Day
June 13-----Thursday, Commencement Day



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Jacob Todd	Pella, Iowa
Rev. B. F. Patt	Ottumwa, Iowa
W. A. Starkey	Ottumwa, Iowa
Rev. J. B. Smith	Waterloo, Iowa
Rev. R. R. Sadler	Pella, Iowa

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Term Expiring 1918

Rev. B. D. Dykstra-----Platte, S. Dak.
 Prof. A. B. Beyers-----German Valley, Ill.
 Rev. Henry Heunemann-----Lenox, S. Dak.
 Rev. H. J. Veldman-----Holland, Mich.
 Rev. Peter Grooters-----Otley, Iowa
 Rev. C. Kuyper-----Cedar Grove, Wis.
 Rev. J. Engelsman-----Orange City, Iowa
 Jacob C. De Bruin-----Leighton, Iowa
 A. B. Van Houweling-----Pella, Iowa
 Peter Kuyper-----Pella, Iowa
 A. Waechter-----Pella, Iowa
 Rev. Peter Braak-----Pella, Iowa

Term Expiring 1919

Rev. S. Vander Werf-----Holland, Mich.
 Prof. T. E. Welmers-----Orange City, Iowa
 Rev. Geo. Schnucker-----Aplington, Iowa
 Rev. A. E. Aeilts-----Little Rock, Iowa
 Rev. S. De Bruine-----Pella, Iowa
 Rev. A. J. Te Paske-----Grand Rapids, Mich.
 Rev. J. Wesselink-----Pella, Iowa
 K. De Jong-----Orange City, Iowa
 Y. T. Van Niewaal-----Pella, Iowa
 G. G. Gaass-----Pella, Iowa
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 Rev. Peter Braak, Rev. B. F. Brinkman, Mr. G. G. Gaass

The Faculty

JOHN WILLIAM BAILEY, President,

Professor of Biblical Literature and Philosophy.

A. B., Franklin College 1898; D. B. University of Chicago, 1901; Ph. D., University of Chicago, 1904; Professor Biblical Literature 1910; President 1914.

HENRY WILLIAM PIETENPOL, Dean,

Professor of Mathematics and Physics.

A. B., Central College, 1907; A. M., Central College, 1908; Graduate Student, University of Wisconsin, Five terms, 1911-1915. Professor Mathematics and Physics, Orange City Academy, 1908-1916; Central College 1916.

ELIZABETH ADELINE GRAHAM, Dean of Women,

Professor of English Language and Literature.

Ph. B., Central College, 1908; Special Student University of Minnesota, 1897-99; Graduate Student, University of Oxford, Summer, 1909; University of Wisconsin, Summer, 1916; Professor of English Literature, 1906; Dean of Women, 1914.

ANNE J. SORENSEN,

Professor of History and Social Science.

A. B., Denison University, 1908; A. M. Denison University, 1909; Graduate Student, University of Chicago, Summer, 1908, 1909; Assistant in History, Denison University, 1909-11; Central College, 1911.

MARTHA NATALIE GREINER,

Professor of French, Spanish, and German Literature

Ph. B., University of Michigan, 1901; Member of Phi Beta Kappa, and A. M., University of Michigan, 1902; Graduate Student, University of Wisconsin, Summer, 1903, 1904, 1915, 1916; Central College, 1912.

FRANK MCGINLEY PHILLIPS, Registrar,

Professor of Psychology and Education

M. Di., State Teacher's College, 1907; A. B., State Teacher's College, 1909; A. M., State University of Iowa, 1915; Supt. of Schools, Iowa and Minn., 1903-14; Phi Delta Kappa, 1912; Central College, 1914.

FREDERICK S. C. BOSCH,

Professor of Greek and German Languages.

Student State Schools, Germany; D. B., New Brunswick Theological Seminary, 1901; Graduate Student Lane Theological Seminary, 1907-1908; A. M., University of Cincinnati, 1909; Central College, 1916.

PETER VAN BEEK,

Professor of Latin and Dutch.

Graduate John Calvin Junior College, 1912; Graduate Theological Seminary Christian Reformed Church, 1915; A. B., University of Michigan, 1916; Graduate Student, University of Michigan, 1916; Central College, 1916.

THOMAS HARRISON LIGGETT,

Professor of Biology and Chemistry.

Ph. B., University of Wooster, 1910; M. S. Westminster College, 1914; Graduate Student University of Chicago, Summers 1911-1915; Central College, 1916.

ESTHER PAULINE DUNKLE,

Instructor in Home Economics.

Student Iowa State Teacher's College, 1911-1913;
Graduate in Home Economics, Stout Institute,
1915; Central College, 1915.

GERALDINE ASCHENBRENNER,

Instructor in Academy Mathematics.

Ph. B., Central College, 1913; Instructor Des
Moines College Academy, 1913-1914; Central
College, 1914.

LILY VAN ZEE,

Instructor in Academy English.

A. B., Central College, 1915; Central College, 1915.



GEORGE FRANCIS SADLER,

Director Conservatory of Music; Professor of Piano,
Pipe Organ and Harmony.

Mus. B., Simpson College, in Piano, Pipe Organ
and Composition, 1900; Graduate Student Bush
Temple Conservatory, 1901; Student of Moritz
Mayer-Mahr, Scharwenka Conservatory, Berlin,
1906-1907; Central College, 1910.

HERMAN J. BROUWER,

Professor of Voice and Violin.

Graduate Hope College Conservatory, 1913; Grad-
uate Detroit Conservatory in Public School
Music, 1915; Mus. B., Detroit Conservatory of
Music, 1916; Student of Borowski, Chicago Col-
lege of Music, 1916; Central College, 1916.

FRED H. CLIFTON,

Director of Commercial Department.

Graduate Jones Business College, Peoria, 1906;
Business 1906-1914; Graduate Student, Carpen-
ter School of Shorthand, Peoria, 1914; Certified
Gregg Teacher, Gregg School, Chicago, 1916;
Central College, 1914.



MARK DEE McWILLIAMS,

Director of Athletics, Instructor in Academy His-
tory.

S. B., Knox College, 1915; Graduate Student Uni-
versity of Illinois, Summer, 1915; Central Col-
lege, 1915.



Chronological Table

- 1853—Resolution adopted by unanimous vote of a state convention of Baptists to locate an institution of higher education at Pella.
- 1854—Opening of the Academic Department in temporary quarters in town under the Principalship of Dr. E. H. Scarff.
- 1856—Central Hall opened for use.
- 1857—Rev. Elihu Gunn, M. A., D. D., inaugurated as first President.
- 1858—Mrs. D. C. A. Stoddard appointed Principal of the Ladies' Department.
First Freshman class entered.
First Literary Society established—re-organized in 1873, as the Philomathian Literary Society.
- 1861—Freshman, Sophomore and Junior classes doing regular college work.
- 1861-2—One hundred and twenty-three professors and students enlisted in the army, over forty becoming officers.
- 1865—Professor A. N. Currier returned from the war to resume his work in the college.
- 1866—The trees on the campus were planted.
- 1870—Ten thousand dollars raised as a beginning for the Endowment Fund.
- 1871—Rev. Lewis A. Dunn, D. D., elected President.
- 1872—Organization of the Alethian Literary Society.
- 1873—Re-organization of the First Literary Society into the present Philomathian Society.
- 1875—Organization of the Advansonia Literary Society.
- 1881—On resignation of Dr. Dunn because of failing health, Rev. George W. Gardner, D. D., was elected to the Presidency.
- 1884—Professor R. H. Tripp served as Acting President

- 1885—Rev. Daniel Reed, LL. D., elected to the Presidency.
- 1886—Dr. Lewis A. Dunn recalled to the Presidency.
Organization of the Biblical Department.
- 1888—On the death of President Dunn, Rev. S. J. Ax-
tell was chosen as his successor.
- 1891—Rev. John Stuart, Ph. D., elected President.
Cotton Hall first opened as Ladies' Dormitory.
- 1893-1901—Erection of the Y. M. and Y. W. C. A.
Building.
- 1895—Rev. A. B. Chaffee, D. D., elected President.
- 1899-1900—Professor Asa Bee Bush, Ph. D., Chairman
of the Faculty.
- 1900-1909—Rev. L. A. Garrison, D. D., Vice-President
and President.
- 1905—Erection of Jordan Hall of Science.
- 1906—Erection of Dunn Cottage as home for Presi-
dent.
- 1907—Rev. S. P. Shaw elected Field Secretary and la-
ter Chancellor and served until June 1, 1910.
- 1909—Dr. Myron W. Haynes secured to lead movement
for securing \$100,000. Dr. Haynes closed his
work December 31, 1910.
- 1910—John Lewis Beyl, Ph. D., elected Acting Presi-
dent, May, 1910, and served as such until June
1911, when he was elected President.
- 1911—Rev. L. R. Bobbitt elected as Field Secretary.
Served until February, 1913, when he resigned
to resume work in the gospel ministry.
- 1911—Death of Dr. B. F. Keables for fifty-eight years
a member of the Board of Trustees and for
many years its Vice-President.
- 1914—John Lewis Beyl, Ph. D., resigned Presidency.
- 1914—John William Bailey, Ph. D., elected President.
- 1916—The college after sixty-three years of work un-
der the auspices of the Baptists was transferred
to the control of the Reformed Church in
America.

A Statement

On November 30, 1915, the Board of Trustees of Central College voted unanimously to transfer the name, charter, grounds, buildings, and equipment of Central College to the Reformed Church in America, on condition that the latter take over the institution and maintain in Pella an accredited college under the laws of Iowa. On June 20th, 1916, the General Synod of the Reformed Church voted unanimously and heartily to accept the offer made by the Central College Board of Trustees. The Synod also voted to approve a movement to raise an endowment of \$200,000, and recommended the college to the churches of the constituency for this purpose. That movement is now going on, with full expectation that it will be carried to completion. Rev. B. F. Brinkman, of Pella, and Mr. K. De Jong, of Orange City, are acting as financial agents.

Thus Central College after sixty-three years of existence and worthy history under the auspices of the Baptists of Iowa, passes into the hands of another church body. The Reformed Church in the vicinity of Pella is very strong, and the college under the new relationship has a very promising future.

By the terms of transfer, the buildings including laboratory equipment, library, and all furniture, were taken over so that the college is not beginning with nothing, but with an equipment that in some respects is very unusual for an institution of its size. The library, for example, is very much better than the ordinary college library. The institution begins its new stage of development with ample equipment to do solid and satisfactory work. All the equipment that the college previously possessed, with some that has been added, since the transfer, is in use. The statements of the catalog with respect to the present equipment are conservative.

General Information

LOCATION

Pella, the home of Central College, is located on the Keokuk and Des Moines division of the Chicago Rock Island and Pacific Railway. Good connections are made at Des Moines, Oskaloosa and Ottumwa. The city is situated on the divide between the Des Moines and Skunk rivers in one of the most healthful localities in the state. Many strangers have declared it to be the most beautiful city of its size in Iowa. It is a city of homes, with about thirty-two hundred inhabitants, and is a prosperous and progressive community with paved streets and municipally owned water, light and sewer systems.

The moral atmosphere of the town is good and helpful. Settled by men and women from Holland who were determined to worship God according to their own consciences and allow others the same privilege, Pella is a place that makes for sober, righteous and godly living.

GROUNDS

CAMPUS

The college is located in the midst of beautiful grounds. The campus consists of eight acres of lawn and trees nicely laid out. It is situated within the city limits, yet far enough from the business center to assure freedom from noise and fire. It is surrounded by broad streets, thus affording clear sunlight and pure air, and altogether is a most attractive place.

ATHLETIC FIELD

The athletic field is well situated and laid out on the west portion of the campus, and is furnished with an amphitheatre. On this field center the activities

of the football and baseball seasons. Good tennis courts are located elsewhere on the grounds.

BUILDINGS

CENTRAL HALL

The oldest college building is of brick, three stories above basement. On the first two floors are found recitation rooms, the music studios and the halls for the Young Men's and Young Women's Christian Associations. On the third floor are two rooms well furnished and devoted to the work of the literary societies.

ASSOCIATION BUILDING

The Association building is a brick structure of two stories above the basement, containing the auditorium, library and gymnasium. This building was long in process of erection—from 1893 to 1901—and stands as a monument to the prayers, faith, devotion and heroic sacrifice of the friends of the institution, and the professors and students then in school.

The Auditorium—The auditorium is a large, light, commodious room, well adapted to public lectures and meetings of all kinds. It will seat over four hundred and is used for the daily chapel service, for general gatherings of students and for college lectures and entertainments.

The Library—During the last few years, about five thousand books have been added to the college library, making the total number of volumes more than eight thousand. This count excludes all bound magazines, records, reports, etc., no matter how valuable, which number over one thousand. It is classified according to the A. L. A. system. This recent addition of carefully selected volumes has equipped each department with ample facilities for reference work among the latest publications as well as the standard authorities. The literature section contains about 1500

volumes; history about 1900; science about 1400; psychology and education about 800; Biblical literature about 750; philosophy about 700; social science about 500; miscellaneous 500.

The Gymnasium—This is equipped with apparatus for individual and class work, and with shower and tub baths, and furnishes excellent gymnasium privileges.

JORDAN HALL

This hall was erected in 1905 and first used for college work in the fall of 1906. It is three stories high, constructed of fine pressed brick ornamented with Bedford stone and finished throughout in oak. It was made possible by the splendid gift of the late Deacon Chandler Jordan, of Central City, whose name it bears. The building is modern in every respect. It contains the administration offices and recitation rooms. The laboratories for Biology, Chemistry, Domestic Science and Physics are located in this building.

Biological Laboratory—The Biological Laboratory equipment is ample for thorough, efficient work. It includes Bausch and Lomb microscopes, a Zeiss binocular microscope, a paraffine embedding oven, a Minot rotary microtome, a kymograph and various smaller pieces of apparatus. There is one high power microscope for the use of the instructor in demonstration and research. Microscopic slides for use in the various laboratories are constantly being added to the collection.

Chemical Laboratory—The Chemical Laboratory is located on the third floor and is fitted with forty-eight individual lockers and a fume cupboard. Each locker is provided with such apparatus as the student may need for regular work, apparatus for special work being reserved in the supply room. Analytical balances and burettes are provided for work in

Quantitative Chemistry. The laboratory has its own gas plant. Water is supplied from the city mains.

Physical Laboratory—The Physics laboratory occupies two rooms in the basement. Among the pieces of equipment are the two plate Wimhurst static machine and a six-plate "Toeplar Hoelz" machine, both the gift of Dr. William King, of New York City. A complete Evans electrical equipment is installed and in operation. A universal projectoscope with all the latest improvements for showing postcards, slides, microscopic slides, or opaque material is in the lecture room. Each division of Physics is amply supplied with apparatus for demonstration.

Domestic Science Laboratory—Two rooms in the basement are fitted out for the work in Domestic Science. A complete kitchen equipment for the work in cooking is in one of the rooms, and in the other is a beautiful dining-room outfit and the necessary equipment for the work in sewing. Some of Pella's public-spirited citizens gave liberally to the outfit in this department. The work in chemistry is done in the regular chemistry laboratory.

Randolph Museum—The Randolph Geological Museum is also housed in Jordan Hall. This is a most excellent collection presented by the late H. E. Randolph, of Webster City, and at his death enriched by his own special collection, a tribute to the interest and liberality of the donor and a fine geological equipment for the College.

COTTON HALL

One block north of the campus is the hall for young women. In the management of the Hall every possible effort has been made to give the young women a pleasant and attractive home. In the building are twenty-two rooms besides the dining-room, kitchen, pantries, etc.

BEARD OBSERVATORY

We can point with pride to our astronomical equipment, largely the gift of Mr. R. R. Beard, Pella, Iowa. The cost of Mr. Beard's gift was \$5,000. The large telescope, a 6½ inch lens, is the work of Alvah Clark & Son. It is one of the largest in the state and gives fine facilities for the study of astronomy. The glass is equatorially mounted and has ten eyepieces.

The foundation upon which our transit rests weighs ten tons. The instrument was made by Fauth Company and has a 2½ inch lens.

The stereopticon has an Edison arc lamp, and is one of the finest in the country. We have over five hundred lantern slides, many of them made from photographs taken by the Lick and Yerkes telescopes. The pictures are projected on a screen 12 feet square and the details of the celestial objects are brought out in a most wonderful way. The cost of the slides was over \$1,000.

The clock was made by Negus, chronometer maker for U. S. Navy, and was secured at a cost of \$360.

We also possess a small refracting telescope, elegantly mounted, 3½ inch lens, four eye glasses, with finder of French manufacture, the gift of Mr. George Little, of Boston, Mass.

Our spectroscope is one of the best; the maker's name John A. Brashear, gives it the same rank in its field that Clark's name gives to a telescope. It has a diffraction grating 2x4 inches, on which 20,000 lines are ruled to the inch.

DUNN COTTAGE

This is a two-story brick building with modern conveniences, built as a home for the President of the institution. It is named in honor of the late Mrs. J. N. Dunn, a name intimately and honorably associated with Central's history.

CITY LIBRARY

In addition to the college library the Carnegie-Viersen library offers added facilities in the way of equipment in books. In 1906 Mr. Carnegie presented a fine library building to the city and Miss Siebrigje Viersen, one of Pella's public-spirited citizens, gave a fund of six thousand dollars to be used for books. Thus the library was from the first well supplied and at present contains over 6,000 volumes, easily accessible to the students of Central College.

Administration and Government

The aim of the college is to afford students training in self-government and to develop in them responsibility and high regard for personal conduct. Since the institution offers privileges, a breach of college order means most naturally the taking away of such privileges either in part or altogether, while persistence in wrong conduct will result in dismissal from the institution.

The student body is represented in all matters affecting the public life of the school by the Student Council, which co-operates with the Faculty, and has the power of making recommendations to it. The idea is that instructors and students be co-workers in the entire life of the college.

REGISTRATION

The first two days of the first semester are given to registration. For the second semester provision is made for registration during the week of the mid-year examinations. For registration not completed during the days specified or for any changes in the registration thereafter, a fee of one dollar is required. Students may not change registration or drop a given sub-

ject without the consent of the Dean and the instructors whose work is involved.

CLASS ATTENDANCE

Punctuality at the beginning of a semester is especially desirable since the loss incurred by beginning behind one's class cannot easily be repaired. It is assumed that the young men and women will meet promptly and regularly all of their class-room appointments. If for any valid reason students are compelled to miss a recitation, they are expected to present their reasons to the teacher before the next session. Unexcused absence from the first or last recitation of a given semester, or from the last recitation before, or first after a vacation period is counted as equivalent to three daily absences.

CLASS STANDING

Each instructor keeps a careful record of the work of each student and reports same to the Registrar at the close of the semester. These are recorded and become a part of the permanent college record. The daily class-room work and the examinations are graded on a scale of 100. The system of marking is as follows:

A, 100 to 94, means excellent and counts 5 points.

B, 93 to 86, means good, and counts 4 points.

C, 85 to 78 means fair, and counts 3 points.

D, 77 to 70, means poor, and counts 2 points.

E, 69 to 60, means conditioned, may be made up within one year and if so, receives a mark of Pass, and counts 1 point. If not made up within this time the condition becomes a failure, and the work must be repeated to count as credit.

F, 59 and below, means a failure, and the work must be taken again to count as credit. The student will not be permitted to continue with the class nor to

do advanced work in that subject until the work in which the student failed has been satisfactorily done.

EXAMINATIONS

Regular examinations are held at the close of each semester. Students must attend all examinations in the studies they pursue. No student whose work in any study is reported as being incomplete, either because of failure to take the examination or to do other work required will receive credit for the work in that subject until the course has been completed. This must be done within one year from the date of the original examination. If it is not done within that time the grade becomes a failure and the work will have to be repeated. In case a regular examination is missed the student may, upon the presentation of an acceptable excuse, be permitted to take a special examination. This may also be done in the case of a failure in examination, provided the instructor deems the student's class work to have been of such a character as to merit another trial. For each special examination of this kind, written permission must be secured from the Dean and a fee of one dollar paid.

For each special examination where a student desires to receive credit in a course in which the work has not been done in class, a fee of \$1.00 for each hour of credit to be received is charged and written permission must be secured from the Dean. No such examination will be given until the instructor in the subject is convinced that the student has covered the work thoroughly and is entitled to the examination.

RELIGIOUS INFLUENCES

Central College has enjoyed a splendid reputation for thoroughness in mental training combined with high ideals for the religious development of the student. This the authorities are determined to maintain at all costs and will employ every resource to de-

velop young people in the best possible manner, physically, mentally and morally.

All students are expected to identify themselves with some religious congregation in the city and to attend divine worship at least once each Sunday. The entire life and administration of the institution, while avoiding sectarianism, is positively in favor of the Christian religion. Chapel worship is held each school day, at which all students are expected to be present.

PHYSICAL TRAINING AND ATHLETICS

Every encouragement is given to physical training, with due regard to the proper proportion of time to be given to the development of mind and body. There is a trained resident instructor for men in gymnastics and field athletics; similar training is provided for the women under the direction of a competent instructor. In addition to the regular gymnastic work there is abundant opportunity for outdoor and indoor athletics. Football, baseball, basketball, tennis, and field athletics are regularly maintained. No student may represent the college in any intercollegiate athletics who is not regularly enrolled and doing work of passing grade for at least twelve hours of work. All regularly classified students of the institution ranking below and including the Sophomore class are required to take two periods per week of regular gymnastic work.

The athletics of the college are under faculty supervision and in immediate charge of a committee on athletics of which the athletic directors are members.

Student Organizations

CHRISTIAN ASSOCIATIONS

In connection with the college are branches of the Young Men's and Young Women's Christian Associations. There are regular weekly meetings for worship,

Bible reading and praise, and also for social intercourse. Members of the Faculty are also connected with the Associations, giving them their personal attention and support.

The Associations conduct Bible and mission study classes as arranged by their committees. To accommodate all, the classes meet at various hours, and under trained leaders take up some line of systematic study.

COLLEGE LECTURE COURSE

The Young Men's Christian Association of the college has, for many years, maintained a first-class lecture course. It consists of lectures, musical numbers and entertainments. The aim is to secure very high class talent and of a type which will be not only of interest, but also of moral benefit to the college community.

COLLEGE GLEE CLUB

For a number of years the students of Central have maintained a men's glee club of high class. The club has had one trip to the Pacific coast. Membership in the glee club is open to all young men in any department of the college and is competitive in nature. The quality of the voice counts, in this work, more than a technical knowledge of music.

LITERARY SOCIETIES

These are an important feature of the institution: The Philomathian, composed of young men; the Alethian, of young women, and the Advansonian, of both sexes. All meet weekly and carry out varied programs of literary work. In society work students receive an important discipline which they cannot obtain elsewhere

ORATORICAL ASSOCIATION

The College Oratorical Association was originally

organized in connection with the State Oratorical Association. It was later expanded to include relations with the State Peace and Prohibition Associations. In recent years emphasis has been placed upon inter-collegiate debating in which Central has had gratifying success.

STUDENT PUBLICATIONS

The Central Ray—A weekly paper, is published by the students. It serves as a means of literary culture among the students themselves, a medium of communication between alumni and present members of the college, and a general representative of the interests of the school to the outer world. The Ray has a good list of subscribers at \$1.25 per year.

The Pelican—An annual published successively by each Junior class of the college, sets forth in picture, chronicle and story the life of the year in all departments of the institution and becomes thus an invaluable preserver for after years of the doings and happenings of the "good old college days."



Expenses and Board

There is no college dormitory for young men. Rooms can be secured at very reasonable rates in private homes near the college campus. A list of such rooms will be on file at the Dean's Office at the beginning of the first semester. Every assistance will be given to see that suitable places are provided for all young men. In case it is so desired, rooms may be engaged in advance by applying to the President or Dean and giving general information as to kind of room desired and price to be paid.

Young women may room either at Cotton Hall, which is the college dormitory, or in approved private homes in the city. The general oversight of the women students rests with the Dean of Women. A list of approved rooming places will be on file at the Dean's Office at the opening of the first semester. Every assistance will be given to see that suitable places are obtained for all.

COTTON HALL

Cotton Hall, for young women, is equipped with modern conveniences. The rooms are heated by furnace and lighted by electricity and are provided with all necessary articles except bed clothing including pillows, curtains and towels.

For two years the hall has been conducted on the club plan. The rooms are rented separately and the young ladies are in charge of the boarding arrangements themselves.

The rooms are of two sizes, 15x15 feet and 15x9 feet. The larger rooms cost for one occupant \$1.50 per week. Where two occupy the same room the cost is \$1.00 each per week. For one occupant the cost of a smaller room is \$1.10 per week. For two occupants the cost is 75c each per week.

The club board has cost about \$2.00 per week. To

one who desires to secure board in the regular manner the cost is \$4.00 per week. A club fee of \$2.00 is due at the opening of each semester.

Reservation of rooms is for the entire semester and those who once take rooms can release them only by special arrangement with the Treasurer. Reservations can be made by application to the Treasurer or Dean of Women.

TUITION

Tuition in the College is \$20.00 per semester, in the Academy, \$15.00.

For one full study in the College, tuition will be \$10.00 per semester; in the Academy, \$7.00. For two studies in the College \$16.00 per semester; in the Academy, \$12.00.

Tuition and fees payable in advance.

FEEES

Student Intercollegiate Contest Fee, per semester, \$2.50.

This fee was established by vote of the student body and later by action of the Board of Trustees. It is required of all students and secures admission to all intercollegiate contests in football, baseball, tennis and track held upon the home grounds, also to all oratorical and debating contests.

Laboratory Fees in the College per Semester:

Chemistry I and II	\$3.00
Chemistry III to VIII	5.00
Biology	3.00
Physics	2.00
Cooking	3.00
Millinery	1.50

Laboratory Fees in the Academy, per Semester:

Chemistry I and II	\$3.00
Biology	2.00
Physics and Agriculture	1.00
Sewing	1.50
Cooking	3.00

Breakage—For breakage in the laboratories each student is required to make a deposit of two dollars with the Treasurer at the beginning of a laboratory course of study. At the end of the course, after deducting for breakage, the balance is returnable. If there is breakage in excess of \$2.00 a further fee is assessed.

SPECIAL FEES

Special Examinations, each study taken in course	\$1.00
Special Examination, each study not taken in course, per credit hour -----	1.00
Certificate from any Department-----	3.00
Diploma for Bachelor's Degree-----	5.00

Fees for diplomas and certificates must be paid to the Treasurer by the fifteenth of May, preceding graduation.

Students for the ministry and missionary service, and ministers' wives and children, when taking full work, pay one-half the regular tuition, and the full amount of the regular fees.

If a student desires to take work by the week the charge for tuition is \$2.00 per week in any department.

In case a student leaves school after the middle of the semester no refund at all is made. If a student is granted honorable dismissal before the middle of the semester or term, a refund will be made of one-third the amount paid at the opening of the semester or term. In order to secure honorable dismissal the student must make application to the Registrar, who will present the request to the Faculty for action.

A student will not be graduated from any department of the college or receive any diploma or certificate, who has not paid all bills due the College. All accounts should be settled by the fifteenth of May preceding graduation.

TUITION IN THE CONSERVATORY OF MUSIC.

Piano, Voice, Pipe Organ—

Two lessons per week (private) -----\$30.00

One lesson per week (private) ----- 18.00

Harmony, Musical History, Analysis—

Two lessons per week (in class) -----\$11.00

Music Rent ----- 2.00

Rent of piano one hour a day by the semester is
\$5.00 each semester.

TUITION IN THE BUSINESS DEPARTMENT

Book-keeping Course (limited to 9 months) ----\$60.00

Shorthand Course (limited to 9 months) ----- 60.00

Combined Course (limited to 14 months) -----100.00

Books, Blanks, Stationery, etc., for a full Business
Course of nine months will cost about \$12.00. For
one year's course the cost is a trifle more.

Typewriting, when taken as an elective by college
or academy students, costs \$10.00 per semester for
the use of the machine and instruction in its operation.

Typewriting may be taken by a student in the
book-keeping course at an additional cost of \$10.00
above his regular tuition for the course, and the rudi-
ments of book-keeping may be added to the shorthand
course for an addition of \$10.00. Students in other
courses who elect shorthand are charged \$15.00 per
semester for the single subject, and those who elect
bookkeeping pay \$12.50 per semester.

SELF-SUPPORT

Many of our best students aid themselves finan-
cially by obtaining positions of various kinds in the
town and college. Living expenses are lower in Pella
than in most places, and this factor is of importance
to those students who do not have an abundance of
financial support.

Emphasis, however, should be laid upon the fact
that the ideal arrangement is for a student to have
sufficient means to cover the expenses, for that means

he will be free at all times to pursue his studies and thus do better work in them. Also such a student will have more time to engage in the extra-curriculum activities of the college, which are essential to the highest all-around development. However, when students must support themselves, every effort will be made to secure suitable positions for them.

SCHOLARSHIPS

Honor Scholarships—In accordance with the regulations adopted by the Association of Independent Colleges of Iowa, a scholarship good for full tuition for one year will be granted to the honor student of the graduating class of any accredited high school in the state. The nineteen colleges of the Association are agreed that no other honor scholarship will be granted.

PRIZES

The Lewis Medal is offered by Hon. E. E. Lewis, of Sioux City, for the best original production by the matriculating class from the Academy.

The Beard Gold Medal is offered by R. R. Beard, Esq., of Pella, to the successful contestant in debate. Open to all students of the College.

The Keables Gold Medal is offered by Mrs. Kate Keables Beard, of Pella, for the best declamation. Open to all students.

The Brinkman Prizes in English, established by Rev. B. F. Brinkman, of Pella, for the best work done by any student in college in English. There is a first prize of \$10 and a second prize of \$5, in gold, to the winners.

The Van Spanckeren Prize for scholarship, consisting of five dollars in books and a gold medal, is offered by Mr. B. H. Van Spanckeren, Jr., of Pella, for the highest average grade made by any student taking full studies for the year.

The Puritan Drug Company gives a "C" blanket to the player making the best all-around record in football, and a silver cup to the best all-around player in baseball.

Rube Brand's Barber Shop will give a shaving set consisting of razor, strop, mug (with name of winner) brush and soap for the second best man in football, and will give a trophy of mug and brush for the baseball man getting the most home runs during the season in college games.

Beard Tennis Medals, given by Mr. R. R. Beard, of Pella, to the successful contestants in the annual home tennis contests held during Commencement. The medals are given as follows: One each to the winners of the first and second places in singles, and one each to the members of the winning team in doubles.

The Trustees' Prize in Oratory is offered by the Trustees of the College to the winner of the home oratorical contest given under the auspices of the College Oratorical Association. It entitles the holder to a concession of \$10.00 in tuition. If the winner of the home contest is successful in securing a place in the final state contest the tuition concession is increased to \$20.00.

The Browell Medal is offered by Mr. Charles Brown, and is open to all students of Central Conservatory of Music majoring in Piano who have had at least two years in the regular degree course, including all the work in Theory. The medal is awarded to the one ranking highest in class room work and public recital.

The Dora Markel Medal is offered by B. Franklin Keables, and is open to all students of Central Conservatory of Music majoring in Voice who have had at least two years in the regular degree course, including all the required work in Theory. The medal is awarded to the one ranking highest in class room work and public recital.

The College of Liberal Arts

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The College of Liberal Arts

TERMS OF ADMISSION

All candidates for admission to the college must be young men or young women of good character, and serious purpose. All such young people will find in Central a wholesome and stimulating atmosphere and an excellent opportunity.

Every student who desires to be admitted to Freshman standing as a candidate for a degree must either (a) present a certificate of graduation from some accredited high school or academy, or (b) pass an examination based on a four years' course amounting in the aggregate to 15 units. The required and elective units are:

English	3 units
Foreign Language	2 units
Algebra	1 unit
Plane Geometry	1 unit
Natural Science	1 unit
History or Civics	1 unit
Elective	6 units
Total	15 units

The electives may be chosen from Language, History, Science, Mathematics, Domestic Science, Agriculture, Commercial Subjects, History of Music and Harmony.

Students who present only 14 units may be given conditional entrance, but all conditions must be removed before the student begins his second year's work. Students who present less than 14 units will be placed in the academy until the full requirement is completed.

Special Students—Students who do not desire to work for a degree, and who are lacking in the requisite credits for college entrance may by action of the faculty be admitted as special students in college

classes, provided they satisfy the faculty that they can pursue with profit the courses they select.

ADVANCED STANDING

Candidates for advanced standing from other colleges must present a letter of honorable dismissal and a certificate of work done and credit earned in each study. Work done in accredited colleges is accepted without examination for advanced standing and credit given the same as if done in this institution. But the standing of the student is provisional and a satisfactory grade of work must be done in this institution to make the standing permanent. No student can secure a Bachelor's degree from this college who has not spent at least one year in residence, and secured at least twenty-four credits for the work done.

DEGREES

In January, 1917, the college management decided to discontinue the Bachelor of Science degree, and to grant only two degrees, the Bachelor of Arts and Bachelor of Music. This new plan becomes effective for all students who enter college beginning with the fall of 1917. Students who entered under the old arrangement will have the option of continuing their work for the degree in accordance with the older regulations or of adapting their work to the revised plan.

The requirements for degrees have also been revised. The regulations governing the Bachelor of Arts degree are given at length below. The degree of Bachelor of Music will be granted to those who have completed the Diploma Course prescribed by the Conservatory of Music, and in addition thereto have received credit for not less than 30 of the 120 hours of work in Liberal Arts courses required for the Bachelor of Arts degree.

COURSES OF STUDY

The courses of study offered in the college are classified into three groups under which are included the various departments. The groups with their departments are:

GROUP I.	GROUP II	GROUP III.
Language Group.	Social Science Group	Science Group.
Dutch	Biblical Literature	Astronomy
English	Education	Biology
French	History	Chemistry
German	Philosophy	Geology
Greek	Psychology	Home Economics
Latin	Political Science	Mathematics
Spanish	Social Science	Physics

1. Every student is required to select a major department from one of these three groups, in which he must make a minimum of 24 credits, not including those required in paragraph 4.

2. The group in which the student selects his major department will be known as his major group. A minimum of 40 credits must be completed in this group, not including those required in paragraph 4.

3. At least 24 hours of work must be selected from the two groups in which the major subject does not fall, not less than 8 hours in any group, no part of which may be satisfied by the subjects required in paragraph 4.

4. The following specific requirements are made of all students for the A. B. degree without regard to the department in which his major work is done: in the Freshmen year, Rhetoric, 6 hours, Biblical Literature, 4 hours; in the Sophomore year, Argumentation, 4 hours, and Biblical Literature 4 hours. In each of these two years there is a physical training requirement of 2 hours.

5. In order to graduate, the student must com-

plete 124 hours of credit, and secure a total of 340 grade points, see page 20, including 4 credits in physical training. Of these not more than 24 may be counted in any other department than the major department. At least 72 hours must be in courses beyond those designated as Freshmen courses.

6. The prerequisites, and major requirements for each department are stated under the Course of Instruction for that department.

7. Students for the ministry are advised to do their major work in Group I, and to emphasize especially the Greek and Latin languages. This will place them in line with the expectations of the Theological seminaries with respect to the preparation of the students whom they receive.

In estimating credits the unit adopted is one hour a week of recitation, or two hours a week of laboratory work, through one semester. The regular work consists of fifteen to eighteen units each semester. No student will be permitted to elect studies aggregating more than eighteen or less than twelve units in any semester without special permission from the Faculty.

PROMOTION

No student who in any semester fails to pass in at least three-fifths of all the hours of work which he is taking, with a grade of C or above in one-fifth, will be readmitted to the college except by special vote of the administration, which vote shall be based on some satisfactory work done in the interval, or illness as the cause of failure, or some other exceptional circumstances.

In order for a student to be promoted from the Freshman class to the Sophomore class, he must have passed in college studies amounting to not less than 20 semester hours, and have secured at least 54 points, as indicated by the system of marking given on page 20.

For promotion to the Junior class he must have passed in college studies amounting to not less than 50 semester hours, and have secured at least 136 points.

For promotion to the Senior class he must lack for graduation not more than 36 hours of college work, nor more than 100 points.

STATE CERTIFICATES

In accordance with the law passed by the Thirty-first General Assembly, the State Board of Educational Examiners will grant a five-year first grade state certificate to each graduate of Central College who has completed certain prescribed work, consisting of Psychology six semester hours, and Education fourteen semester hours. This certificate may be renewed at the end of five years upon proof of three years' successful teaching.



Departments of Instruction

BIBLICAL LITERATURE

PRESIDENT BAILEY

I. Life of Christ:—A constructive study of the life of Christ, an interpretation of his leading teachings and their application to present day experience. Required of all Freshmen. First semester, two hours.

II. Life and Teaching of the Apostles:—A study of the history of the early church, its development, and the hopes and leading teachings of the apostles. Particular attention will be given to the life of Paul. Required of Freshmen. Second semester, two hours.

III. Old Testament History:—A study of the history of the people of Israel as reflected in the Old Testament. The life and work of their great leaders. The meaning of Israel to history. Required of Sophomores. First semester, two hours.

IV. Prophecy:—The origin and history of prophecy, its characteristics and ruling ideas and the distinctive messages of its great representatives. Required of Sophomores. Second semester, two hours.

V. How We Got the Bible:—A study of the origin of the Bible as reflected in the book itself, and its transmission to us. Such topics as lost books of the Bible, the writing of the Bible, the growth of the canon, and the history of Bible translation, will be considered. Three hours.

VI. Selections from the Bible:—Selected portions of the literature of the Old and New Testament, which are not much read and chosen according to the needs of the class. Three hours.

VII. The Bible as Literature:—A study of some of the Biblical masterpieces from the point of view of literature. Three hours.

PHILOSOPHY

I-II. History of Philosophy:—The course will seek to introduce the students in as simple and concrete a manner as possible to the distinctive viewpoint and methods of philosophy. Throughout the course attention will be given to the relation of philosophy to other typical interests of life, and the aim will be to help the student to a point of view and method for considering the meaning of the world and human life. Three hours. Throughout year.

III. Logic:—An outline course in Logic. A careful examination will be made of the logical value of concepts, judgments, and reasonings as used in scientific procedure. Attention will be given to the bearing of scientific method upon practical problems, and to the cultivation of habits of clear and accurate thinking. Three hours. First semester.

IV. Ethics:—The course consists of an outline study of the typical facts of moral life in their genetic relations, and of the conditions and ideals of worthy human conduct. These facts and ideals will be examined as they are found embodied in social life and in individual behavior. It is the purpose of this course to develop in the student high moral standards. Three hours. Second semester.

V. The Philosophy of Religion:—This course is an examination of the historical, logical and moral grounds for the acceptance of Christianity. Three hours.

VI. Religious Education:—The philosophy, psychology and pedagogy of religious education as the development of the whole personality. Three hours.

BIOLOGY

PROFESSOR LIGGETT

The aim in the courses in Biology is primarily to give the student a systematic appreciation of the living things with which he daily comes in contact. A large

part of the instruction is given in the laboratory, where the student is trained in skillful preparation of material, accurate observation, and systematic recording of results by means of notes and drawings.

I and II. General Biology—A course in the fundamentals underlying both animal and vegetable life. The cell, anatomy and physiology of representative plants and animals, and various problems connected with living organisms, are considered. Two class and two laboratory periods per week, through the entire year.

III. Invertebrate Zoology—A laboratory course intended to acquaint the student, by means of careful dissections, with representative invertebrate animals, and their relationships. Supplemented by lecture and recitation work.

Prerequisite, Courses I. and II. One class and two laboratory periods per week, first semester.

IV. Vertebrate Zoology—A laboratory course intended to acquaint the student, by means of careful dissections, with representative vertebrate animals, and their relationships. Special emphasis is placed on mammals, using the cat as a type. Supplemented by lecture and recitation work.

Prerequisite, Courses I and II. One class and two laboratory periods per week, second semester.

V and VI. Human Physiology—An advanced course considering in detail the anatomy and physiology of the human body. Emphasis is laid upon the hygiene of the various organs. A text-book course, supplemented by lectures, experimental and microscopic work.

Prerequisite, Courses I and II. Three hours per week.

VII. Phanerogamic Botany—An advanced course considering in detail the structure, physiology and relationships of flowering plants. Given alternate years with Course IX.

Prerequisite, Courses I and II. One class and two laboratory periods per week, first semester.

VIII. Cryptogamic Botany—An advanced course considering the structure, relationships, life histories and development from lower to higher forms, as illustrated by representative cryptogams.

Prerequisite, Course I and II. Desirable antecedent Course VII. Given alternate years with Course X. One class and two laboratory periods per week, second semester.

IX. Histology—This course deals with the microscopic anatomy of a number of animal and plant tissues. Thorough instruction is given in general biological technique with special emphasis upon the preparation of tissue for microscopic study.

Prerequisite, Courses I and II. One class and two laboratory periods per week, first semester. Given alternate years with Course VII.

X. Embryology—Lectures and laboratory work. The course is based largely upon the development of the frog and the chick.

Prerequisite, Courses I. and II. Given alternate years with Course VIII. One class and two laboratory periods per week, second semester.

CHEMISTRY

PROFESSOR LIGGETT

Chemistry I-II. Inorganic Chemistry—A general course, designed for those who are beginning. Three recitations and two laboratory periods per week throughout the year.

Chemistry III-IV. Qualitative Analysis—Two recitations and two laboratory periods. Throughout the year.

Prerequisite, Courses I and II.

Chemistry V-VI. Organic Chemistry—Three recitations and two laboratory periods per week throughout the year. Omitted 1917-1918.

Chemistry VII-VIII. Quantitative Analysis—One

recitation and two laboratory periods per week throughout the year.

Alternates with V-VI. Given 1917-1918.

Household Chemistry IX-X—A course in the Chemistry of foods, sanitation, textiles, etc. Two recitations and two laboratory periods per week throughout the year.

Prerequisite, Courses I and II.

Advanced Inorganic Chemistry XI-XII—A course intended for those expecting to teach, to study medicine, or to enter a technical school. Emphasis is upon fundamental principles such as chemical equilibrium and energy of reactions rather than upon properties of substances. Smith's Inorganic Chemistry. Three recitations and two laboratory periods per week throughout the year.

Those majoring in chemistry should include Courses I-VIII.

Freshman mathematics should precede or accompany all courses except I-II and IX-X.

DUTCH

PROFESSOR VAN BEEK

The courses in the Dutch Language and Literature are intended to equip those who may be called upon to serve Dutch speaking churches, and also serve those who desire to study the Dutch for linguistic or cultural reasons.

DESCRIPTION OF COURSES

Dutch I—A careful study is made of the Dutch sounds. These are made the basis for further study. Pronunciation is given special attention throughout the course. The vernacular of Holland, as spoken today, is taken as the standard of correctness. The more simple idioms are noted as they occur in the reading and are used in class conversation. Three hours per week.

Dutch II. A continuation of I—Grammar, reading and conversation. Second semester. Three hours per week.

Other courses will be added as the demand may arise for them. The second year's work will be a continuation of the grammatical and conversational study. This will be followed by courses in the literature.

ENGLISH

PROFESSOR GRAHAM

I-II. Freshman English—English prose style, based upon theory, given in lectures; upon models found in early and in current literature; upon practice in original work. Required of Freshmen. Three hours per week, first and second semesters.

III-IV. Argumentation—Theory of debate, analysis, forms of argumentation, refutation. Practice in making briefs, bibliographies, and in presenting arguments. A required course. Two hours per week, first and second semesters.

V-VI. American Literature—History of American literature, assigned readings, intensive study of selections from the best American authors. Three hours per week, first and second semesters. Sophomore year. Given in 1917-1918.

VII. Victorian Poetry—Extensive study of the poetry of the time with emphasis upon Tennyson and Browning. Three hours per week, first semester. Given in 1917-1918.

VIII. English Essays and Essayists—History of the development of the English essay. Class study of the best English essays from the time of Bacon to the present. Three hours, second semester. 1917-1918.

IX. Shakespeare and the Drama—History of the English drama from its beginning to the close of the seventeenth century. Three hours per week, first semester.

X. The Novel—Study of the development of the novel from Daniel Defoe to the close of the nineteenth century. Class analysis and appreciation of standard works of English fiction. Three hours per week, second semester.

XI-XII. Anglo-Saxon, Middle English, Language History—This course is intended to give an understanding of and appreciation for the native element in our English language. Required of all who major in English. Prerequisite, knowledge of a foreign language. Three days per week, first and second semester.

XIII-XIV. Current Literature—Study of present day fiction, essay, drama, and poetry. Three days per week, first and second semesters.

XV-XVI. Survey Course in English Literature—English Literature as an expression of its time from Beowulf to the literature of today. Given in alternation with Course V-VI. Three days per week, first and second semesters.

FRENCH

PROFESSOR GREINER

I-II. Beginning French—Walter-Ballard's Grammar and Ballard's Reader are used. Much attention is given to phonetics, to the mastery of a vocabulary, the verb, especially the irregular verb, and the peculiarities of syntax. Written exercises are used to lead up to conversation. Four hours.

III-IV. Second Year—A review of the principles of grammar, followed by special study of the irregular verb and the subjunctive. Composition and grammar are continued. Various classics, both prose and poetry, are read. The authors vary from year to year. Moliere, Dumas, Hugo, Maupassant and others have been used.

SPANISH

The Spanish department offers a two-year course, comprising the study of pronunciation, grammar, reading and conversation in the first year and the study of some modern Spanish classic like Valdez or Galdos in the second year. Also newspaper reading is practiced and great stress laid on the acquiring of a practical vocabulary and ready command of conversational language. Coester's grammar is in use in the first year class. Wagner's grammar in the third and fourth semesters.

GERMAN

PROFESSOR GREINER, PROFESSOR BOSCH

I-II. Beginning German—A thorough course in the essentials of the German language. The direct method is used and much stress is placed upon conversation. Four hours per week

III and IV. Second Year German—The elements of grammar are reviewed by means of Bernhardt's German Composition which is used throughout the year. Connected with it are exercises in reading, conversation, dictation, essays and grammar drills. Etymology, morphology and the comparative study of language are made the basis of all grammatical work. A number of texts are read such as Immensee, Der Schwiegersohn, Das Edle Blut, Die Journalisten, Gernelshausen, etc. Four hours per week.

V and VI. Third Year German—In this course a number of classics are read such as Schiller's "Maria Stuart," Goethe's "Herman and Dorothea," etc. As a basis for conversation, word study, and essays, Schiller's "Wilhelm Tell" is used. Other authors are also read. Three hours per week throughout the year.

VII and VIII. Modern German Classics—A critical and analytical study of such modern German clas-

sics as the dramas by Ludwig, Gillparzer or Fulda, or a novel by Heyse. In the second semester the reading and interpretation of German poetry is introduced; next year a semester will be given to Goethe. Conversation in the German language is practiced as much as possible. Three hours per week throughout the year.

German IX-X.—This course is especially intended for students, who prepare either for the ministry among our German-speaking people, or for teaching the German language. The German language is used exclusively in the class room. Of the 4 hours weekly, two are used in reading both parts of Goethe's *Faust* or other classics, and two are devoted to writing of essays and dictations, and exercises in debating and public speaking. (This course presupposes the work or equivalent of courses I-VIII.)

GREEK

PROFESSOR BOSCH

I. Lysias—Selected orations. Four hours weekly.

II. Plato—Apology, Crito and selections from *Phaedo*. Four hours weekly.

III. Demosthenes—On the Crown. Four hours weekly.

IV. Tragedy and Comedy, selected plays. Four hours weekly.

V. Homer—Selections from *Iliad* and *Odyssey*. Studies in the History of Greek Literature.

VI. New Testament Greek—In addition to the reading of selected books and epistles from the New Testament, there will be given some time to the study of Greek art.

1-2. For students who enter college without any Greek, this course is offered. The two semesters of the first year will be devoted to the study of grammar and

will be supplemented by readings from Xenophon's *Anabasis*. Four hours weekly.

LATIN

PROFESSOR VAN BEEK

I. Cicero—*De Senectute*, and **Terence**, *Phormio*. Four hours weekly, first semester.

II. Livy—Books I; XXI and XXII. Prose composition; four hours weekly, second semester.

III. Tacitus—*Germania*; **Augustine**, *Confessions*; three hours weekly, first semester.

IV. Horace—*Odes*; attention is given to prosody; three hours weekly, second semester.

V and VI. Comedy—**Terence** and **Plautus**; *Satire*—**Juvenal**; *Epigrams*—**Martial**; three hours weekly.

HISTORY

PROFESSOR SORENSEN

The department of History aims not only to give the student a thorough knowledge of the periods of history covered by the courses outlined below, but also to furnish thorough and systematic training in the effective use of the excellent history library which the college possesses.

I. History of Western Europe from the decline of the Roman Empire to the opening of the Italian Renaissance. Lectures and recitations. Required topical reading with weekly written summaries. Four hours per week, first semester, Sophomore year.

II. Italian Renaissance and Protestant Reformation—A continuation of History I., dealing chiefly with the subjects mentioned in the title. Lectures, recitations and required readings. Four hours per week, second semester, Sophomore year.

III. French Revolution and Napoleonic Era—Lectures, text and collateral readings. Monthly reports of reading required. Three hours per week.

IV. Nineteenth Century in Europe—Lectures, readings and text book. Special emphasis upon the Industrial Revolution and the resulting political and social changes. Three hours per week.

V. Formation of the Union—Special study of the period of the Confederation and of the early development of our government under the present constitution. Lectures, text and readings. Semester thesis required. Three hours per week. Alternates with III.

VI. Civil War and Reconstruction—A careful study of the causes leading to the division of the Union and of the problems of the reconstruction period. Lectures, text and readings. Semester thesis required. Three hours per week. Alternates with IV.

VII and VIII. Contemporary History—Elective open without prerequisite to all college students. Reading, lectures and class discussion required. Reading in periodicals and newspapers. The lecture subjects are to some extent determined by the events of the year, but always include a brief examination of the governments and the political parties of the principal countries of Europe. Three hours per week.

SOCIAL SCIENCE

I-II. Economics—During the first semester a careful consideration is given to the basic principles of economics; the nature and laws of human wants, utility, wealth, value, price; economic production, distribution, and consumption; land, labor, capital, and business organization; rent, interest, wages and profits; competition and monopoly. In the second semester attention is given to some of the larger current economic problems; money, banking, monetary reform; tariffs and taxation; transportation, trusts, labor problems, socialism, etc. Three hours throughout the year.

III-IV. Sociology—The organization of society is

studied as an introduction to a broader survey of the factors and causes of social phenomena. Some of the more important social processes are analyzed, and the physical, biological, and psychic factors of social evolution are considered with the view to examining broadly the forces that affect social progress. Three hours. Alternates with V-VI. Given 1917-18.

V-VI. Political Science and Government—A general course in the genesis, nature, and practice of government; constitutions and the machinery of government; political parties, public opinion, strength and weakness of democracy, comparison of the various forms of government, etc. Alternates with III-IV. Prerequisite, History V-VI.

MATHEMATICS

PROFESSOR PIETENPOL

5a. Higher Algebra—A course in higher algebra which is equivalent to the third semester algebra is offered for those not having an entrance credit in this subject and who wish to prepare for course II. No credit for graduation is counted for this course until course II has been satisfactorily completed. Credit not to count on a major. First semester. Three hours a week.

6a. Solid and Spherical Geometry—For those not presenting an entrance credit in this subject. Credit not to count on a major. Second semester. Three hours a week.

I. Trigonometry—Plane trigonometry and logarithms. Solution of spherical triangles with applications that will enlighten the work in astronomy. First semester. Freshman year. Four hours a week.

Prerequisite, one unit of algebra and one unit of plane geometry.

II. College Algebra—Reviews of quadratics, graphical representation, mathematical induction, pro-

gressions, permutations and combinations, complex numbers, theory of equations, determinants, partial fractions, variation, and probability. Second semester. Freshman year. Four hours a week.

Prerequisite, Course 5a.

III. Analytical Geometry—The curve and the equation in both rectangular and polar co-ordinates; conic sections; tangents and normals; a general course in two and three dimensions. First semester. Sophomore year. Four hours.

Prerequisite, Courses I and II.

IV. Differential Calculus—Theory of limits; higher derivatives; maxima and minima; exponential, circular, and hyperbolic functions; rates, practical applications with special reference to physics. Second semester. Sophomore year. Four hours.

V. Integral Calculus—Review and completion of differential calculus; methods of integration; processes of summation; differential equations; graphical calculus and practical problems. First semester. Four hours.

VI. Astronomy—Lectures, text-book work, use of observatory, designed to illustrate facts and theories of astronomy. The equipment is such as to make this course quite complete. Second semester. Four hours.

VII. History and Teaching of Mathematics—Lectures and library work designed to aid those who plan to teach mathematics; survey of the development of mathematics from the earliest times; effect of tradition and of investigation, upon modern courses; methods of presenting the subject. First semester. Four hours.

PHYSICS

I and II. General Physics—This course is divided into two parts (a) and (b). (a) is a theoretical study of the fundamental principles of mechanics, heat,

sound, light, and electricity. Numerous experiments are performed before the class illustrative of these principles. Two recitations per week through the year. (b) is a laboratory course in which the student takes up many of the principles studied in (a) and works them out quantitatively. Two laboratory periods per week through the year. Sophomore year.

III and IV. Advanced Mechanics—This course is designed for those preparing for engineering courses and deals especially with those principles of mechanics which are most necessary to the engineering course contemplated. Lectures and laboratory work through the year. A knowledge of calculus is essential.

V and VI. Advanced Electricity—This is a course in advanced electricity and magnetism and involves a careful study of the properties of direct and alternating currents, and the types of machinery and instruments used with each. Careful attention is given to the measurements of currents and resistance. A knowledge of calculus is essential for the mathematics involved. The work is designed to fit one for an electrical engineering course. Lectures and laboratory work through the year.

GEOLOGY

I. The elements of dynamical, structural and historical geology are each considered. Particular attention is given to both the destructive and constructive processes and their resulting formations. Occasional excursions into the country and to the coal mines are made to study these processes. The specimens in the Randolph Geological Museum are constantly referred to show the typical rock formations and illustrate the successive changes from one geological period to another.

PSYCHOLOGY

PROFESSOR PHILLIPS

I. General Psychology—Description and laws of the mental processes. Nature and scope of psychology. Description and classification of processes in consciousness. Lectures, texts, experiments, and library work. Open to Sophomores and upper classmen. Three hours.

II. Child Psychology—Mental development in the individual as affected by nature and by nurture. Lectures, texts, and library work. Open to Sophomores and upper classmen. Three hours.

III. Experimental Psychology—Typical experimental investigation of the common functions of mental activity. Designed to acquaint the student with methods and results of laboratory psychology.

Prerequisite, three hours of general psychology. Three hours.

IV. Social Psychology—An interpretation of human behavior as affected by suggestion, imitation, customs, fashions, mobs, etc.

Prerequisite, three hours of general psychology. Three hours.

EDUCATION

I. Principles of Education—Education considered from the biological, physiological, psychological, and sociological standpoints. Representative topics, instincts, habits, heredity, culture epochs, individual differences, suggestion, training of mental activities, motor activities, moral nature, formal discipline, educational tendencies. Lectures, texts, and assigned readings. Required of candidates for the State Teacher's Certificate. Open to Sophomores and upper classmen. Three hours.

II. History of Education—A general survey of the evolution of educational institutions, practices and principles through ancient, medieval, and modern times,

with special reference to the bearing of such evolution upon the education in our own country and of our own times. Lectures, texts, and assigned readings. Open to Sophomores and upper classmen. Three hours.

III. Methods—General and special methods of instruction in elementary and in higher schools. Preparation of model lessons, practice teaching. Supply teachers furnished for the public schools. Lectures, texts, library work and practice.

Prerequisite, Education I. Three hours.

IV. Supervision and Management—Practical problems of school organization and administration. Function of officials, supervisors, and teachers. Making and administering the course of study. Management and supervision of class work. Lectures, texts, assigned readings.

Prerequisite three hours of principles of education. Three hours.

IV. a. Supervisory Standards—A companion course for IV, treating statistically scientific methods of administration, standard tests, interpretation of results. Problems of gradation, promotion. Two hours.

V. Educational Psychology—A study of the learning process with special reference to interest, formation of habits, problems and aims. Lectures and readings.

Prerequisites, three hours of general psychology or principles of education. Three hours.

V. a. Experimental Educational Psychology—An application of the statistical method to educational psychology, with special reference to individual differences, rates of improvement, work curves. A companion course for V. Laboratory work. Two hours.

VI. School Hygiene—Problems of school hygiene, including construction of buildings, heating, lighting, ventilation, school diseases, sanitation, medical inspection. Lectures and assigned readings. Two hours.

VII. Philosophy of Education—The meaning of

education as a biological, physiological, psychological, and sociological process, and as a social institution.

Prerequisite, Courses I, II, IV. Lectures and readings. Two hours.

VIII. The High School—A study of secondary education in the United States and in other countries. The evolution and place of the high school in our educational system. Present tendencies in the administration of the high school. Its relation to the college. Lectures and assigned readings.

Prerequisite, Course IV. Three hours.

If Education is selected as a major subject, the student is expected to take Psychology I and II, and 24 hours in Education which must include Courses I, II, III, IV, V and VII.

HOME ECONOMICS

MISS DUNKLE

The aim of this department is not only to prepare women to administer the affairs of their own homes but also to equip those who desire to teach the subject of Home Economics in the schools. The completion of the full course require two college years. The certificate of graduation renders the holder eligible as special teacher of Home Economics in the High Schools of the State.

Domestic Art I.—Hand and machine sewing; drafting and use of patterns; hygiene of clothing.

Domestic Art II.—Advanced work in hand and machine sewing; dress in relation to art; costume designing. Economic, hygiene, and aesthetic aspects of dress.

Textiles—Primitive and modern methods of manufacturing. A complete study of all textile fibres with laboratory work.

Millinery and Art Needlework—Designing and drafting of patterns for buckram hats, construction of

wire frame, making of hats. History and art of needlework with application of all ornamental stitches.

Food Preparation I.—Selection and care of foods; full consideration of menus; preparation and serving of well balanced meals; value of food; study of food principles.

Advanced Food Preparation II.—Advanced work in manipulation theory, value of food and a full treatise of invalid cookery. Serving of formal and informal meals. Individual demonstrations.

Food Study—Source, chemistry and use of foods and food products. Special attention given to food adulterations.

Physiology and Home Nursing—Anatomy and physiology of the human body with emphasis placed upon hygiene and its application. Essentials of home nursing; study of contagious diseases, emergencies, food for the sick.

Dietetics—Principles of human nutrition. Application to needs of individuals and groups under varying conditions. Dietary standards. Careful study given to care and feeding of infants.

Household Management and Hygiene—Proper division of income, study of household account systems; servant systems; servant problem; buying supplies. The beautiful home; its situation; drainage, heating and lighting. Methods in home laundering.

Interior Decoration—Development of modern home, planning of convenient houses. Study of decorating and finishing to produce harmonious effects. Correlation of cardboard construction and basketry.

Organization of Home Economics—Planning of courses to meet different conditions, study of equipment and present status of Home Economics education.

The work that is offered may be represented synthetically in the following:

FIRST YEAR

First Semester

Inorganic Chemistry, 4 hours
 Sewing, 2 hours
 Food Preparation, 2 hours
 Food Study, 4 hours
 English, 5 hours
 Millinery and Art Needlework,
 2 hours

Second Semester

Inorganic Chemistry, 4 hours
 Sewing, 2 hours
 Food Preparation, 2 hours
 Physiology and Home Nursing,
 4 hours
 English, 5 hours
 Millinery and Art Needlework,
 2 hours

SECOND YEAR

First Semester

Organic Chemistry, 4 hours
 Dressmaking, 2 hours
 Biology, 2-2 hours
 Psychology, 3 hours
 Advanced Food Preparation,
 2 hours
 Interior Decoration, 3 hours
 Organization of Home Econo-
 mics, 2 hours

Second Semester

Household Chemistry, 2-2
 hours
 Dietetics, 3-1 hours
 Advanced Dressmaking, 2
 hours
 Textiles, 3 hours
 Household Management, 4
 hours
 Advanced Cooking, 2 hours
 Practice Teaching

A Bachelor's degree may also be taken in Home Economics, on the completion of 120 hours of work. For such students the work in Home Economics will be distributed through the four years of the course instead of being taken in the first two years. The general requirements will be the same as those outlined for the Bachelor's degree on pages 34, 35.

The Academy

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General Information

ADVANTAGES

Central Academy is a first-class secondary school. It is affiliated with the College in spirit and methods of work. It occupies the same grounds, uses in part the same buildings and is under the same general management.

The Academy will thus prove a splendid place for those preparing for college as well as those who, finding it utterly impossible to secure a college education, want a well-balanced academic training. It will be a good place for young people of high school age, since they will thus pass their early formative years in the educational atmosphere created by the college and may develop their character in the midst of spiritual influences that will help towards a better life.

Moreover, those, who for any reason have temporarily withdrawn from school work, and who, on account of age and other considerations, hesitate to return to the high school, will find in Central Academy the place for recovering lost opportunity and will be given all possible aid in securing the desired education.

GOVERNMENT

In the administration of the government of the Academy the aim will be, as in the College, to lead students to regard themselves as responsible for good order. Training in self-government is a part of an academic education. Breach of good academic order will be followed by deprivation of the privileges the Academy offers. Persistent disorder, and also persistent idleness, will result in a request to parents or guardians that such students be withdrawn from the Academy. Students leaving the Academy must re-

quest honorable dismissal, which is granted only by vote of the Faculty.

ADMISSION

All candidates for admission should present themselves promptly at the opening of the year, with a record of previous work, showing studies taken and the time spent upon the various subjects.

To those asking advanced standing in the Academy credit will be given for previous work done in other similar institutions. All students are on trial and if the class room work shows poor preparation, inadequate for the assigned class, the student will be required to take such reviews and reassignment of standing as may seem best to the Faculty.

REGISTRATION

The days appointed for admission and registration are those indicated in the College Calendar. New students should, if possible, present themselves to the Registrar on the first day appointed for the admission of students.

GRADUATION

While in most cases it will require four years to complete the work required for graduation, it is not the policy of the Academy to hold back those who are unquestionably able to carry more work than the regular yearly assignment. Exceptionally mature, earnest and capable students may in the four years complete the Academy work and a portion of the Freshman year in the College.

All graduates or matriculates from the Academy are required to write an original production in the contest for the Lewis Medal. The subject of the production must be decided upon not later than April 1st and reported to the Head of the English Department. The completed work must be handed in by May 15th preceding graduation. The production must contain from one thousand to fifteen hundred words.

THE CURRICULUM

The whole amount of work required to complete the Academy course consists of 15 units. The following are the uniform requirements:

English	3 units
Algebra	1 unit
Plane Geometry	1 unit
Natural Science	1 unit
History or Civics	1 unit
Foreign Language	2 units
Electives	6 units

The two units of foreign language must be offered in one language.

The electives may be chosen from Language, History, Science, Mathematics, Domestic Science, Agriculture, Commercial Subjects, History of Music, and Harmony.

NORMAL TRAINING COURSE

The following summary shows in a convenient form the subjects required by the State Department of Public Instruction and the amount of time to be given to each in order to graduate from the Normal Training Course.

Six semesters of English including the one semester of grammar of the Normal Course.

Three semesters in algebra.

Two semesters of history, ancient, mediaeval and modern, or general.

Four semesters of Latin or an elective.

Two semesters of plane geometry.

One semester of civics.

One semester of physiology or geography (political or commercial.)

Two semesters of physics.

One semester of political economy.

One semester of arithmetic in the third or fourth year.

One semester of grammar in the third or fourth year.

One semester of United States history in the third or fourth year.

One semester of reading in the third or fourth year.

One semester of home economics in the third or fourth year.

One semester of agriculture in the third or fourth year.

Two semesters of pedagogy in the third and fourth year.



For students in our own Academy who desire to have us outline their course for them we give suggestions for five different courses. The student may select anyone of these according to his preference. The classical course is recommended to those who expect to study for the ministry.

ACADEMY COURSES

		CLASSICAL	MODERN CLASSICAL	ENGLISH	SCIENCE	NORMAL
FIRST YEAR	First Sem.	Latin Algebra English Physiology Phys. Tr.	Latin Algebra English Physiology Phys. Tr.	English Algebra Physiology Elective Phys. Tr.	Latin Algebra English Physiology Phys. Tr.	English Algebra Physiology Elective Phys. Tr.
	Second Sem.	Latin Algebra English Phys. Geo. Phys. Tr.	Latin Algebra English Phys. Geo. Phys. Tr.	English Algebra Phys. Geo. Elective Phys. Tr.	Latin Algebra English Phys. Geo. Phys. Tr.	English Algebra Phys. Geo. Elective Phys. Tr.
SECOND YEAR	First Sem.	Latin English Geometry History Phys. Tr.	Latin English Geometry History Phys. Tr.	English Geometry History Elective Phys. Tr.	Latin English Geometry History Phys. Tr.	English Geometry History Elective Phys. Tr.
	Second Sem.	Latin English Geometry History Phys. Tr.	Latin English Geometry History Phys. Tr.	English Geometry History Elective Phys. Tr.	Latin English Geometry History Phys. Tr.	English Geometry History Elective Phys. Tr.
THIRD YEAR	First Sem.	Latin Greek Algebra History Phys. Tr.	Latin German Algebra History Phys. Tr.	German Algebra History Elective Phys. Tr.	German Algebra History Elective Phys. Tr.	Algebra History Agriculture Reading Phys. Tr.
	Second Sem.	Latin Greek Geometry Civics Phys. Tr.	Latin German U. S. His. Civics Phys. Tr.	German U. S. His. Civics Elective Phys. Tr.	German Geometry Civics Elective Phys. Tr.	U. S. His. Civics Man. Tr. or Home Eco. Geo. or Physiol Phys. Tr.
FOURTH YEAR	First Sem.	Latin Greek English Physics Phys. Tr.	Latin German English Physics Phys. Tr.	German English Physics Elective Phys. Tr.	German English Physics Elective Phys. Tr.	English Physics Pedagogy Economics Phys. Tr.
	Second Sem.	Latin Greek English Physics Phys. Tr.	Latin German English Physics Phys. Tr.	German English Physics Elective Phys. Tr.	German English Physics Elective Phys. Tr.	Eng. Gram. Physics Pedagogy Arithmetic Phys. Tr.

Description of Courses

BIOLOGY

1. **Human Physiology, Hygiene and Sanitation:**—A practical study of these subjects and intended to give the student a knowledge of the laws of health. First semester, five hours per week.

2. **Physiography:**—Intended to acquaint the student with the world about him, and to introduce him to the various branches of science which this broad field touches; second semester, five hours per week.

3. **Agriculture:**—A course especially intended to meet the needs of those expecting to teach; also those students coming from the farms will find it helpful. Two laboratory periods and two recitations per week.

CHEMISTRY

PROFESSOR LIGGETT

1-2. **Inorganic Chemistry:**—Recitation and laboratory work. The aim is to acquaint the student thoroughly with the foundations of chemical knowledge and in the laboratory to familiarize him with the most approved methods of chemical manipulation. Much credit will be given for excellence in laboratory work. Two recitation and two laboratory periods weekly.

ENGLISH

MISS VANZEE

Candidates for entrance to the English classes of the Academy must present satisfactory credits in eighth grade work or pass an examination. This course covers three preparatory units, or six credits; three in grammatical analysis, word analysis, composition and rhetoric; three in English and American classics. Any student who proves to be deficient in the use of English will be required to take work in

Grammar. This must be taken in addition to the regular courses.

1-2. **English Composition**, two hours. Grammatical Analysis and Word Analysis, three hours. Five hours per week throughout the first year.

3-4. **Literature**:—A study of Scott, Eliot, Shakespeare, Tennyson, Milton, Coleridge, Lowell, Hawthorne, Irving and others. This is first an appreciative study of literary values; second, an analysis of literary forms and their essential characteristics. Five hours per week throughout the second year.

5. **Rhetoric and Theme Writing**:—A course in theory and practice. Five hours per week, first semester.

6. **English Literature**:—Text, "Twelve Centuries of English Prose and Poetry." The historical setting is given in lectures.

GERMAN

MISS ASCHENBRENNER

1-2. **First Year German**:—A beginning course. Great stress is laid upon the fundamentals of the language. Grammar, composition, and translation. Five hours per week throughout the year.

3-4. **Second Year German**:—Bernhardt's German Composition is used. The grammar is thoroughly reviewed. A number of texts such as "Immensee," "Wilhelm Tell," "Der Neffe als Onkel" are read. Five hours per week throughout the year.

GREEK

PROFESSOR BOSCH

The regular work in this subject includes two years, five hours a week. In the first year the usual amount of Beginners' Greek is given, together with thorough drill in vocabulary and some practice in

reading selections from the Anabasis. In the second year the first four books of the Anabasis are given, together with the writing of Greek and thorough drill in the grammar of the language. In addition, there is practice in sight reading from the later books of the Anabasis or from other authors.

HISTORY

MR. McWILLIAMS

The courses in academy history have been arranged with reference to the requirements of the State Department of Public Instruction. Much of the material in the history section of the library has been selected to meet the needs of students preparing for teaching, as well as to give the general student opportunity to do a high grade of work.

1-2. American History and Civics:—Recitations with drill in the use of sources and in topical investigation. Five hours per week, throughout the year.

3-4. General European History:—Special emphasis on the history of Greece and of Rome. Recitations and readings. Five hours per week, throughout the year.

LATIN

PROFESSOR VAN BEEK

1-2. Beginning Latin:—Text: D'Ooge. Five hours per week.

3-4. Caesar:—Selections from Gallic War, the equivalent of three books. Text: Walker. Prose Composition. Text: D'Ooge. **Nepos:**—Lives. Five hours per week.

5-6. Cicero:—Orations and letters. Text: Kelsey. Prose Composition. Text: D'Ooge. Five hours per week.

7-8. Virgil:—Aeneid, six books. Metrical an-

alysis. Text: Knapp. Four hours per week. Mythology. Text: Galey's Myths. One hour per week.

Bennett's Latin Grammar is used the last three years.

MATHEMATICS

MISS ASCHENBRENNER

1-2. **Algebra:**—This is the beginning course in the study of algebra. Mastery of elementary processes with accuracy and rapidity is the chief aim. First year academy. Five hours per week throughout the year.

3-4. **Plane Geometry:**—The fundamental propositions of geometry are demonstrated and discussed. Emphasis is laid upon original problems and demonstrations. Prerequisite, Course 1, 2. Five hours per week throughout the year.

5. **Algebra:**—A continuation of Course 1-2. Preparatory course for College Algebra. First semester. Five hours per week.

6. **Solid Geometry:**—The course includes the study of plane surfaces, the cone, cylinder and sphere. Prerequisite, Course 3-4. Second semester. Five hours per week.

PHYSICS

PROFESSOR PIETENPOL

1-2. A thorough course in the elementary principles of physics, consisting of recitations and laboratory work. Three recitations and two laboratory periods throughout the year. The student who registers for this course should have had courses 1, 2, 3, 4 in Mathematics.

The Conservatory of Music

George Francis Sadler, Director

GENERAL INFORMATION

The Conservatory of Music is especially fortunate, because it is intimately associated with Central College and enjoys all its social, religious and intellectual advantages. As the course of study laid down in colleges and seminaries of learning is not intended to give a knowledge of any one branch alone, but to broaden the student with such an intellectual development as will establish a substantial basis for future attainments, so in the conservatory the course has been planned with reference to securing that symmetrical development of the musical faculties which is essential to the true musician, whether teacher or artist.

Central Conservatory is persistently advocating the work of preparation for the practical knowledge of the science of musical composition which is necessary to an intelligent appreciation of musical masterpieces.

STATEMENT OF THE WORK

PIANOFORTE

I. It is essential that the student develop perfect control of the muscles of the fingers, hands and arms, making them responsive to the command of the will. Technical exercises which will bring about this development are given according to the demands of the individual.

II. Etudes by the best composers and teachers.

III. Ensemble playing. Compositions by ancient and modern composers, aesthetic development.

Information regarding a course in Pianoforte is not easy to give since the course varies more or less for different students, according to their personal needs.

VOICE

We endeavor to carry forward the information and development of the singing voice; not by the so-called

method of the Italians, nor that of the Germans exclusively, but by the adoption of what are believed to be the best features of all methods as well as by the use of a discriminating judgment as to any peculiar needs of the particular voice under treatment. Thus we hope to fit our pupils for positions in church choirs, for successful teaching, and in all artistic singing.

PIPE ORGAN

The organs in the several churches are used by the Conservatory of Music. This affords us the rare opportunity of preparing our students for church organ positions and concert work.

The demand for church organists is very great and special prominence is given to this department of instruction. Practice hours can be arranged for by conferring with the Director. The plan of work provides for thorough training in all that pertains to a mastery of organ, systematic drill in technic, registration, the art of improvisation, accompaniment, etc.

THEORY

The work required in Theory is as follows:

Harmony -----	4 Semesters
Musical History -----	2 Semesters
Musical Analysis -----	4 Semesters

HARMONY

Two Hours Weekly.

First Semester:—Keys, scales, intervals, formations of triads, chord connection, simple part writing from given basses and sopranos.

Second Semester:—Continuation of work of first semester. Chords of the seventh, augmented chords, altered chords.

Third Semester:—The suspension, retardation, appoggiatura, anticipation, passing tone, modulation.

Fourth Semester:—Single and double chants, German chorals.

MUSICAL HISTORY

Two Hours Weekly.

The course treats of the beginning of Music, Greek modes, systems of notation, early Christian music, Troubadours and Minnesingers, rise and progress of Opera and Oratorio, development of forms, romanticism, instrumental development and the composers for piano and other instruments, the virtuoso, the music drama, the relation of music to the other arts, musical criticism.

Musical History may be taken any time in the course.

ANALYSIS

Two Hours Weekly

Motives, phrases, periods, cadences, accent, rhythm, key relationship, thematic development, the rondo form, the sonata form, analysis of Beethoven's Sonatas, Grand Opera, Oratorio and other works.

COURSES

I. Certificate Course:—Two years advanced work in either piano, voice, or pipe organ. The full course in Theory (except the last two semesters in Analysis). The equivalent of two years of high school work.

II. Diploma Course:—Complete Course I and take in addition two years work in either piano, voice or pipe organ for the major part. Two years work in a minor subject (piano, voice or pipe organ). Piano is required as either the major or minor subject. Complete the course in Theory. Graduation from an accredited high school or academy required. Student must give public recitals in the major subject during the Junior and Senior years.

II. Bachelor of Music:—Complete Course II and take the literary work as prescribed by Central College. See catalogue pages 34, 35.

CHILDREN'S DEPARTMENT

Special rates are made in piano to children fourteen years old and under.

VIOLIN

Beginning work in violin is offered to those desiring it.

RECITALS

Public recitals are given by the students at which they perform such pieces as are assigned them by their teachers, for the purpose of giving them ease and self-control in public. Studio recitals are held every two weeks, to which only the music students are admitted.

LIBRARY

The Conservatory has secured a large library of sheet music, including all the best works of almost all of the composers of any repute, classical or modern, and a large selection of technical studies. The music is all carefully bound and cared for. This is a great advantage, as it saves the time of both teacher and pupil in being able to obtain what is needed at a lesson and not having to wait to send to a publisher or music house. A small library fee is charged each student and all of the music throughout the course is furnished.

MUSICAL ORGANIZATIONS

Glee clubs, quartets and church choir work are open to those who are desirous and capable of doing such work. The positions are secured by competition. Central Conservatory of Music has established a splendid reputation for work in this line and great emphasis is laid upon this phase of the work. Piano students are given ensemble playing throughout the course.

The Business Department

Fred H. Clifton, Director

GENERAL INFORMATION

The Business Department is one of the regular departments of Central College. It has ample room and equipment. The Director has had actual experience in the business world and it is his aim to prepare the students for the best positions available. Those studies only are taught which are thought to have real practical value for the students.

POSITIONS FOR GRADUATES

We have always been able to find employment for all our graduates. To those who satisfactorily complete the Combined Course and fulfill the following conditions a position will be guaranteed. The conditions are that the graduate must be a person of good character, have proven himself trustworthy, painstaking and industrious while in school, and have no bad habits. He must have maintained an average grade of at least 80 per cent in all the studies in the course and be able to take dictation in shorthand at the rate of 100 words per minute during a five-minute test and 35 words per minute on the machine. These requirements are not unreasonable and any average person should be able to attain them during the course. To those who are not able to take the Combined Course or are unable to meet all the above requirements and yet have proven themselves worthy, every effort will be made by the department to secure for them a satisfactory position.

We do not promise a student that he will finish a certain course within a certain time, but we do all within power to advance him as rapidly as possible. The results rests largely with the student.

It is our hope that our students may not only acquire a high degree of proficiency in their studies, but also that they will take full advantage of those opportunities which are to be had for character development. It is expected that all students attend the re-

gular chapel exercises of the college and divine worship once on Sunday. We believe the spiritual life must be developed as well as the mental and physical, in order to give to the world the best that we possess.

A certificate is given for graduation from both our bookkeeping and shorthand courses. A fee of \$3.00 is charged to cover the cost of the certificate and engraving.

No student who has not completed at least eight grades of public school work, will be admitted to the Commercial Department.

COURSES OF STUDY

We offer the following courses of study, namely:

(1) Regular Business; (2) Shorthand Course; (3) Stenotypy Course; (4) Combined Course.

REGULAR BUSINESS COURSE

The Regular Business Course includes Bookkeeping and Office Practice, Commercial Arithmetic, Rapid Calculation, Commercial Law, Spelling and Penmanship, Commercial Correspondence and Grammar. It requires nine months to complete the course. Students who have taken any study suggested above and can show satisfactory work may substitute other subjects.

THE COMBINED COURSE

There is a constantly growing demand for young men and women who are competent both as bookkeepers and stenographers. We have outlined a course which will furnish a good general business education. It requires from twelve to fifteen months to complete the course. Our course of study is as follows: Commercial Arithmetic, Rapid Calculation, Typewriting and Shorthand, Spelling, Penmanship, Commercial Correspondence, Bookkeeping, with Business Practice, Commercial Law and Office Training.

DESCRIPTION OF COURSES

BOOKKEEPING

The method of instructing in bookkeeping is individual work. Every student performs his own work independently and his progress depends on his own efforts. The work being individual makes it possible for a student to begin the study at any time and the faster student is not held back by the more backward. After the theory is completed the student deals directly with a series of offices, viz: College National Bank, General Agency, Wholesale Office, Freight, Real Estate, and Insurance. The student makes deposits, buys, sells, writes letters and handles checks, notes, drafts, etc. This actual business practice develops the young man or the young woman in a manner that will fit them to safeguard their own property rights as well as to render an effective service to others. By means of this office practice the student is taught not only to do business for himself, but acquires a thorough knowledge of office routine. The bookkeeping is according to the most up-to-date and approved methods in the field of business education.

We also offer a course in Farm Accounting in addition to the regular Bookkeeping Course.

COMMERCIAL LAW

This is a subject with which we expect our students to become familiar. We insure such thorough instruction as to enable students to understand the general principles of Contracts, Negotiable Papers, Agency, and Insurance and to transact intelligently all legal business pertaining to their own affairs.

OFFICE PRACTICE

This study is important in the development of an all-around business education and in acquiring a thorough knowledge of office routine. It gives the student experience of the most practical kind, not

only in the matter of ordinary correspondence, but also in technical and commercial work. The student is brought into the closest touch with the use of books and papers in actual business.

The Department has a set of Y. & E. files which are used in connection with this course.

SHORTHAND

We teach the Gregg system of Shorthand. It is probably the most simple, most rapid and most widely used of any system in the field today. The first work is a study of the text, mastering the principles and fixing them in the minds of the students. Regular lessons are assigned, and written work is required to be handed to the teacher for examination and criticism. Following the text, comes a study in Dictation, e. g., short stories and other easy mater. Then attention is given to Phrasing, to which heretofore little or no time has been devoted. Following this we devote much time to Business Letters, Legal Terms, Literary Matter, Court Testimony and Reporting. There is an increasing demand for competent stenographers.

TYPEWRITING

Typewriting is becoming more and more essential to the success of an individual in the business world. In almost every office typewriters are used. To be able to obtain a position in modern offices, one must operate a machine rapidly and accurately. This can only be accomplished by careful study. We teach the touch system. We have equipped our department with the best, modern, standard machines. Not only is typewriting indispensable to the stenographer, but in many offices the bookkeeper is expected to be able to make statements, write letters, address envelopes, etc., on the typewriter. For those who desire typewriting as an elective, we have a brief course, which enables the student to become competent in typewriting while he is completing his bookkeeping.

In connection with the study of typewriting, the students learn how to do Manifolding, and Tabulating. There are also assigned dictation and speed drills, and students are trained how to properly take care of their machines.

Other Commercial subjects, such as Commercial Arithmetic, Commercial Correspondence, Penmanship and Spelling, are presented in a way adapted to securing the best results.

STENOTYPY

The Stenotype is a new invention which records the words of the English Language with great rapidity and accuracy. The machine is operated by means of twenty-one keys somewhat similar to those on the typewriter. These keys represent all the sounds in the English Language. It is claimed by the inventors that the speed of the machine is such that it is impossible to read so rapidly that the records could not be made on the Stenotype.

While Stenotypy is in a sense a competitor of shorthand, inasmuch as it serves the same purpose, still it is not likely to supersede shorthand, but there are many offices in which it may be used to great advantage.

Each operator is the owner of his own machine but he does not acquire title to it until he has become a competent operator. The Stenotype is sold by the Stenotype Company through the school in which the student is registered. The fact that the Stenotype Company will not transfer the title to a machine until the student has been graduated and has received official recognition as a certified stenotypist, makes it impossible for poor stenotypy operators to get into the field.

Classes for Stenotype students will not be organized for less than four students.

The Summer Session

The success of the Summer Schools in Central College leads the trustees and faculty to offer summer work again this year. There will be offered the regular work in Normal Training, as well as opportunities for doing regular academic work of academy and college grade. The Commercial Department will offer Teacher's courses, as well as regular courses in the principles of Gregg Shorthand, typewriting, and in bookkeeping. The instruction will be done by the regular college faculty as far as possible, and additional and special instructors will be secured to meet the needs of the students. The session will cover twelve weeks of work, which will be divided into two terms of six weeks each. The equipment of the college, including the laboratories in physics, chemistry, home economics, manual training, and biology, and the college library will be available for this work. Cotton Hall will be open to girls who want a rooming place.

THE TYPE OF WORK

The courses offered are planned to meet the needs of the following classes:

1. Those who wish to take the teachers' examination for the first time, and who wish the opportunity to comply with the law that requires applicants to offer twelve weeks of normal training before being admitted to the examination.

2. Teachers who wish to raise the standards of their certificates for the purpose of securing a credit of three points allowed in estimating salaries.

3. Teachers who wish to raise the grade of their certificate.

4. High school students who wish to get the required twelve weeks of normal training before beginning the work of teaching.

5. High school and academy students who need review work to make up deficiencies, or who wish to make advance credit.

6. College students who wish to make up work, or who desire to shorten the time of completing the work for a degree.

7. All who wish reviews in the various subjects, or who wish to spend the summer in self improvement.

EXPENSES

The tuition charges for those taking normal training will be \$10 for each session of six weeks. For those taking college or academy work for the full session the tuition will be \$15.

Room rent at the hall will be 75c to \$1.00 per week. Board may be secured by the organization of a club, or at the usual boarding places in town. The rates vary from \$2.00 per week, to \$4.50.

FURTHER INFORMATION

A Summer Session Bulletin is being issued setting forth in detail the exact information regarding the faculty, courses, dates, rates, etc. Correspondence is solicited if you plan to be with us. Address communications to

J. W. BAILEY, President, or to
F. M. PHILLIPS, Director of the Summer Session.

Certificates and Degrees Conferred

Commencement 1916

CERTIFICATES

Business Department

Ruth Neifert

Piano Department

Esther Erma Glantz
Frances Sheehy

Charlotte Ann Hussey
Hazel Edith White

Academy

Ruth Gregory
Gordon Lunt
George L. Miller

Charles Marsh
Nellie M. Miller
Ruby Schnug

John A. Rodgers

DIPLOMAS

A. B.

Nannie Esther Barron
Jessie Dunn
Helen Irene Hanna
Edwards Christie Hunter

John S. TerLouw
Marguerite Tracy
Gradus Vander Linden
Pearl Vanzee

Frank A. Muirhead

S. B.

Gary Vogelaar

Master of Arts

Dr. Newton G. Thomas-----Chicago

COLLEGE

Seniors

Aschenbrenner, Ruth	Pella
Braam, Leonard	Pella
Hinton, Clara	Hedrick
Hinton, Eugene	Hedrick
Lowe, James	Barnes City
Rhynsburger, Fred	Pella
White, Hazel	Grand Junction, Colo.

Juniors

Bottorff, Jennie	Hedrick
Byram, Kenneth	Pella
Chalfont, Georgia	Pella
Everts, William	German Valley, Ill.
Hites, Robert	Ainsworth
Hospers, Anna	Pella
Koelman, Wilhelmina	Pella
Lankelma, Herman	Pella
Phillips, Marie	Pella
Phillips, Ruth	Pella
Scholte, Robert	Pella
Sheehy, Frances	Pella
Thomassen, Junella	Pella
Van Drimmelen, Adele	Pella
Ver Ploeg, Andrew	Pella
Waechter, Clara	Pella
Warren, Helen	Pella

Sophomores

Boyd, Joseph	Pella
Buerkens, Clarence	Pella
Byers, Carl	Pella
Den Adel, Edward	Pella
Dirks, Eilert	Meservey
Dohrman, Minnie	Mt. Union
Green, Thomas	Kalona
Kuyper, Estelle	Pella

Renaud, Gertrude	Pella
Reuvers, Leona	Pella
Schmidt, Johann	White, S. Dak.
Van Nimwegen, Wilhelmina	Pella
Vanzee, Jessie	Pella
Ver Ploeg, Edna	Pella

FRESHMEN

Boterman, John	Hospers
Bottorff, Lily	Hedrick
Clifton, Fred	Peoria, Ill.
De Wit, Paul	Pella
Duiker, Cornelia	Grand Rapids, Mich.
Elscott, Guy	Sully
Gezel, Hattie	Pella
Halbert, Walter	Pella
Hites, Maynard	Ainsworth
Itzen, Folkert	Herman, Minn.
Jansma, Alvin	Hospers
Kuyper, Helen	Pella
Kuyper, Louis	Pella
Lunt, Gordon	Taintor
Mennenga, George	German Valley, Ill.
Renaud, Arthur	Pella
Speirs, Phebe	Hedrick
Sterken, Minnie	Inwood
Synhorst, Alfred	Pella
Vander Linden, Edward	Pella
Vander Linden, Jacie	Murray
Vander Waal, Ray	Pella
Van Rees, David	Pella
Vanzee, Florence	Pella
Wormhoudt, Marion	Pella

ACADEMY

Seniors

Baer, Will	Pella
Davis, Carroll	Attica

Fox, Ray	Pella
Palmer, Ned	Kalona
Terlouw, Joseph	Killduff
Thompson, Eleanor	Casey

Juniors

Bailey, Harold	Pella
Boat, Marion	Pella
Bogaard, David	Pella
Coulston, William	Sac City
Creech, Oscar	Unionville
Smith, Fern	Grand Junction, Colo.
Van Houwelingen, Gertrude	Otley

Sophomores

Den Adel, Frank	Pella
Nelson, Cecil	Newell, S. Dak.
Reese, Alice	Pella
Reese, Thomas	Pella
Temple, Earl	Fulton, Ill.

Freshmen

Borgman, Worp	Pella
Braam, Herman	Pella
Cleworth, Mary	Tama
De Boer, Magdelene	Pella
De Kock, Nettie	Leighton
Eshelman, Marjorie	Gilman
Haan, Irene	Pella
Hoogenakker, Timothy	Pella
Kelderman, Peter	Taintor
Kuiken, John	Pella
Oostendorf, Herman	Meservey
Pothovan, Caroline	Pella
Rozendaal, Henry	Lynnville
Rozendaal, Herman	Lynnville
Rozendal, Peter	Leighton
Tysseling, Alice	Pella
Tysseling, Pearl	Pella

Van De Kieft, Henry	Pella
Veen Schoten, Bessie	Pella
Vogelaar, John	Pella

Special

Muirhead, Frank	Tama
Rodgers, John	Westchester
Tharp, Herbert	Reasnor
Verheul, Elizabeth	Pella

Commercial

Anderson, Kenneth	Knoxville
Bailey, Harold	Pella
Baer, Will	Pella
Boland, Beatrice	Pella
De Boer, Magdalene	Pella
Dinnink, Jennie	Pella
Eshelman, Marjorie	Gilman
Fennema, Catherine	Pella
Goemaat, Tunis	Pella
Halbert, Walter	Pella
Hamilton, Neil	Davis City
Hessing, Anna	Pella
Johnson, Ella	Pella
Lowery, Mary	Pella
Mickmershuizen, Dick	Pella
Nutter, Sam	Knoxville
Oostendorf, Herman	Meservey
Pothovan, Caroline	Pella
Pothovan, Otto	New Sharon
Roorda, John	Pella
Shields, David	Knoxville
Ten Hagen, Chester	Pella
Terlouw, Lydia	Pella
Tysseling, Albert	Pella
Tysseling, Alice	Pella
Tysseling, Pearl	Pella
Vander Waal, D. K.	Pella
Van Gorp, Besse	Pella

Van Der Wert, Rachel	Pella
Van Zee, Garrit	Pella
Vogelaar, John	Pella
Veenstra, Harold	Pella
Veenstra, Minnie	Pella

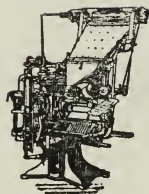
Music

Bailey, Richard	Pella
Bottorff, Lily	Hedrick
Byers, Carl Guy	Pella
Braam, Leonard	Pella
Braam, Herman	Pella
Bogaard, David	Pella
Boland, Wilma	Pella
Brinkman, Gertrude	Pella
Carpenter, Freda	Pella
Chalfont, Martha	Pella
Colyn, Violet	Pella
Colyn, Eulala	Pella
Cochrane, Lucile	Monroe
Cochrane, Kathyrne	Monroe
Cole, Mrs. Millie	Pella
Crew, Mary	Pella
Elscott, Guy	Sully
Franklin, Elsie	Pella
Frush, Harriet	Pella
Guthrie, Ethyl K.	Pella
Gladstone, Ota Louise	Des Moines
Grant, Edna	Pella
Grundman, Carolyne	Pella
Halbert, Verna	Pella
Hendricks, Verna	Pella
Jones, Iowa Mabel	Des Moines
Johnson, Alfred	Pella
Jelsma, Mercedes	Pella
Klein, Gertrude	Pella
Kuyper, Louis	Pella
Koelman, Phillipina	Pella
Lankelma, Fay	Pella

Lowery, Mary	Pella
Meppelink, Nellie	Pella
Mowe, Mildred	Pella
Mowe, James	Pella
Mitten, Harry	Pella
Mitten, Charles	Pella
McQuilkin, Exie L.	La Porte City
Oostendorf, Herman	Meservey
Phillips, Marie	Pella
Phillips, Ruth	Pella
Rietvelt, Wilma	Pella
Sterken, Minnie	Inwood
Sheehy, Frances	Pella
Smith, Fern	Grand Junction, Colo.
Tysseling, Albert G.	Pella
Thomassen, Alice	Pella
Thomassen, Junella	Pella
Thompson, Eleanor	Casey
Veenstra, Minnie	Pella
Veenstra, Beulah	Pella
Ver Ploeg, Cora	Pella
Van Doornink, Wilma	Pella
Veenstra, Harold	Pella
Vander Linden, Mary Helen	Pella
Van Rees, David	Pella
Van Niewaal, Oren	Pella
Van Der Wert, Rachel	Pella
Ver Ploeg, Andrew	Pella
Varenkamp, Gertrude	Pella
Vanzee, Lily	Pella
Waechter, Donald	Pella
White, Hazel	Grand Junction, Colo.

SUMMARY OF STUDENTS

College	63	
Academy	38	
Special	4	105
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Commercial Subjects	32	
Music	64	96
Less duplicates		33 63
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Total number of students		168



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